



Patent  
PD-200043  
Customer No. 020991

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Raynold M. Kahn  
et al.

Serial No.: 09/621,476  
Filed: July 21, 2000

For: SUPER ENCRYPTED STORAGE  
AND RETRIEVAL OF MEDIA  
PROGRAMS IN A HARD-PAIRED  
RECEIVER AND STORAGE  
DEVICE

Group Art Unit: 2137  
Examiner: Minh Dieu T. Nguyen

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: 22313-1450, on the date below.

Georgann S. Grunebach

Typed or printed name of person signing certificate

: April 25, 2005

**SUPPLEMENTAL DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97 (c)**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

This statement should be considered because it is submitted after the mailing date of a first Office action on-the-merits, but before the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application.

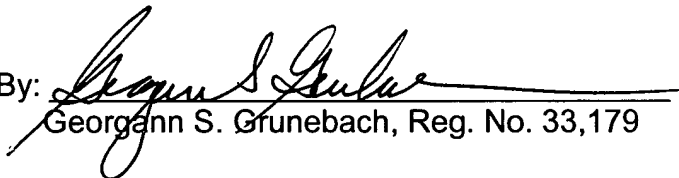
In accordance with 37 C.F.R. § 1.97 (c)(2), submitted herewith is the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement.

**PAYMENT OF FEE SET FORTH IN §1.17(p)**

Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form is being submitted in duplicate.**

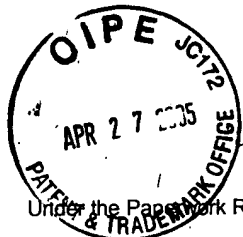
This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By:   
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PTO/SB/08A&B (08-03)

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|   | Application Number       | 09/621,476          |
|   | Filing Date              | July 21, 2000       |
|   | First Named Inventor     | Raynold M. Kahn     |
|   | Art Unit                 | 2137                |
|   | Examiner Name            | Minh Dieu T. Nguyen |
| Sheet 1 of 4  | Attorney Docket Number   | PD-200043           |

| U.S. PATENT DOCUMENTS |          |                                     |                                |   |   |
|-----------------------|----------|-------------------------------------|--------------------------------|---|---|
| Examiner Initials*    | Cite No. | Document Number<br>Number-Kind Code | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                       |          | US-4,633,309                        | 12-30-1986                     | Li et al.                                       |   |
|                       |          | US-4,675,732                        | 06-23-1987                     | Oleson, Lykke                                   |   |
|                       |          | US-4,866,769                        | 09-12-1989                     | Karp, Alan H.                                   |   |
|                       |          | US-4,866,787                        | 09-12-1989                     | Oleson, Lykke                                   |   |
|                       |          | US-5,033,084                        | 07-16-1991                     | Beecher, David A.                               |   |
|                       |          | US-5,132,992                        | 07-21-1992                     | Yurt et al.                                     |   |
|                       |          | US-5,172,413                        | 12-15-1992                     | Bradley et al.                                  |   |
|                       |          | US-5,199,066                        | 03-30-1993                     | Logan, Andrew J.                                |   |
|                       |          | US-5,301,352                        | 04-05-1994                     | Nakagawa et al.                                 |   |
|                       |          | US-5,440,336                        | 08-08-1995                     | Buhro et al.                                    |   |
|                       |          | US-5,495,531                        | 02-27-1996                     | Smiedt, Leslie                                  |   |
|                       |          | US-5,565,805                        | 10-15-1996                     | Nakagawa et al.                                 |   |
|                       |          | US-5,586,264                        | 12-17-1996                     | Belknap et al.                                  |   |
|                       |          | US-5,592,651                        | 01-07-1997                     | Rackman, Michael I.                             |   |
|                       |          | US-5,594,491                        | 01-14-1997                     | Hodge et al.                                    |   |
|                       |          | US-5,619,247                        | 04-08-1997                     | Russo, James                                    |   |
|                       |          | US-5,640,453                        | 06-17-1997                     | Schuchman et al.                                |   |
|                       |          | US-5,675,390                        | 10-07-1997                     | Schindler et al.                                |   |
|                       |          | US-5,715,315                        | 02-03-1998                     | Handelman, Doron                                |   |
|                       |          | US-5,748,732                        | 05-05-1998                     | Le Berre et al.                                 |   |
|                       |          | US-5,784,095                        | 07-21-1998                     | Robbins et al.                                  |   |
|                       |          | US-5,790,663                        | 08-04-1998                     | Lee et al.                                      |   |
|                       |          | US-5,826,165                        | 10-20-1998                     | Echeita et al.                                  |   |
|                       |          | US-5,850,218                        | 12-15-1998                     | LaJoie et al.                                   |   |
|                       |          | US-5,864,747                        | 01-26-1999                     | Clark et al.                                    |   |
|                       |          | US-5,867,207                        | 02-02-1999                     | Chaney et al.                                   |   |

|                    |  |                 |  |
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|--------------------|--|-----------------|--|

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|-----------------------|-------------|-------------------------------------|-----------------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No. | Document Number<br>Number-Kind Code | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear |
|                       |             | US-5,926,205                        | 07-20-1999                        | Krause et al.                                      |   |
|                       |             | US-5,930,215                        | 07-27-1999                        | Fite et al.  |   |
|                       |             | US-5,936,660                        | 08-10-1999                        | Gurantz, Itzhak                                    |   |
|                       |             | US-5,937,067                        | 08-10-1999                        | Thatcher et al.                                    |   |
|                       |             | US-5,978,649                        | 11-02-1999                        | Kahn, Raynold M.                                   |   |
|                       |             | US-5,999,628                        | 12-07-1999                        | Chan, Keen   |   |
|                       |             | US-5,999,629                        | 12-07-1999                        | Heer et al.  |   |
|                       |             | US-6,005,937                        | 12-21-1999                        | Lee, Hyun Gon                                      |   |
|                       |             | US-6,055,566                        | 04-25-2000                        | Kikinis, Dan                                       |   |
|                       |             | US-6,061,451                        | 05-09-2000                        | Muratani et al.                                    |   |
|                       |             | US-6,072,873                        | 06-06-2000                        | Bewick, Simon                                      |   |
|                       |             | US-6,072,982                        | 06-06-2000                        | Haddad, Joseph C.                                  |   |
|                       |             | US-6,202,211                        | 03-13-2001                        | Williams, Jr., Henry R.                            |   |
|                       |             | US-6,240,401                        | 05-29-2001                        | Oren et al.  |   |
|                       |             | US-6,286,142                        | 09-04-2001                        | Ehreth, David                                      |   |
|                       |             | US-6,288,716                        | 09-11-2001                        | Humpleman et al.                                   |   |
|                       |             | US-6,289,455                        | 09-11-2001                        | Kocher et al.                                      |   |
|                       |             | US-6,317,883                        | 11-13-2001                        | Marics, Monica A.                                  |   |
|                       |             | US-6,317,884                        | 11-13-2001                        | Eames et al.                                       |   |
|                       |             | US-6,398,245                        | 06-04-2002                        | Gruse et al.                                       |   |
|                       |             | US-6,415,031                        | 07-02-2002                        | Colligan et al.                                    |   |
|                       |             | US-6,466,671                        | 10-15-2002                        | Maillard et al.                                    |   |
|                       |             | US-6,476,825                        | 11-05-2002                        | Croy et al.  |   |
|                       |             | US-6,496,980                        | 12-17-2002                        | Tillman et al.                                     |   |
|                       |             | US-6,519,772                        | 02-11-2003                        | Bopardikar, Raki C.                                |   |
|                       |             | US-6,530,085                        | 03-04-2003                        | Perlman, Stephen G.                                |   |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

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|------------------------------|----------|-------------------------------------|--------------------------------|---|---|
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|                              |          | US-6,542,870                        | 04-01-2003                     | Matsumoto, Kissei                               |   |
|                              |          | US-6,550,011                        | 04-15-2003                     | Sims, J. Robert III                             |   |
|                              |          | US-6,574,609                        | 06-03-2003                     | Downs et al.                                    |   |
|                              |          | US-6,611,812                        | 08-26-2003                     | Hurtado et al.                                  |   |
|                              |          | US-6,654,547                        | 11-25-2003                     | Maeda et al.                                    |   |
|                              |          | US-6,655,580                        | 12-02-2003                     | Ergo et al.                                     |   |
|                              |          | US-6,754,827                        | 06-22-2004                     | Cane et al.                                     |   |
|                              |          | US-2001/0046299                     | 11-29-2001                     | Wasilewski et al.                               |   |
|                              |          | US-2002/0023219                     | 02-21-2002                     | Treffers et al.                                 |   |
|                              |          | US-2002/0112243                     | 08-15-2002                     | Hunter et al.                                   |   |
|                              |          | US-2002/0048367                     | 04-25-2002                     | Maillard, Michel                                |   |
|                              |          | US-2003/0040962                     | 02-27-2003                     | Lewis, William H.                               |   |
|                              |          | US-2003/0105718                     | 06-05-2003                     | Hurtado et al.                                  |   |
|                              |          | US-2003/0110132                     | 06-12-2003                     | Sako, Yoichiro                                  |   |
|                              |          | US-2003/0145183                     | 07-31-2003                     | Muehring, Philip T.                             |   |
|                              |          | US-2003/0228911                     | 12-11-2003                     | Dernis et al.                                   |   |
|                              |          | US-2003/0174844                     | 09-18-2003                     | Cadelore, Brant L.                              |   |

| <b>FOREIGN PATENT DOCUMENTS</b> |          |  |                                |   |   |   |
|---------------------------------|----------|--|--------------------------------|---|---|---|
| Examiner Initials*              | Cite No. | Foreign Patent Document<br>Country Code-Number-Kind Code | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T |
|                                 |          | EP 0710017 A2  | 05-01-1996                     | Minett, Peter John                              |   |   |
|                                 |          | EP 1156676 A2  | 11-21-2001                     | Park et al.                                     |   |   |
|                                 |          | EP 1304871 A2  | 04-23-2003                     | Letourneur et al.                               |   |   |
|                                 |          | EP 1369152 A2  | 12-10-2003                     | Dernis et al.                                   |   |   |
|                                 |          | WO 0143444 A2  | 06-14-2001                     | Bacon et al.                                    |   |   |
|                                 |          | WO 02065750 A2   | 08-22-2002                     | Ballou et al.                                   |   |   |
|                                 |          | WO 0215184 A1  | 02-21-2002                     | Treffers et al.                                 |   |   |

|                    |                 |
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| Sheet 4 of 4  | Attorney Docket Number   | PD-200043           |

| <b>NON PATENT LITERATURE DOCUMENTS</b> |             |   |   |
|--|-------------|---|---|
| Examiner<br>Initials*                  | Cite<br>No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                               | T |
|  |             | PocketTV-MPEG movie player for Pocket PC and WinCE, 17 May 2000, MPEG TV, LLC, retrieved from URL:<br><a href="http://web.archive.org/web/200006210123803/www.mpegTV.com/wince/pockettv/index.html">http://web.archive.org/web/200006210123803/www.mpegTV.com/wince/pockettv/index.html</a> . |   |
|  |             | Download PocketTV (beta) for WinCE, 3 November 1999, MPEG TV, LLC, retrieved from URL:<br><a href="http://web.archive.org/web/19991127093158/www.mpegTV.com/wince/pockettv/index.html">http://web.archive.org/web/19991127093158/www.mpegTV.com/wince/pockettv/index.html</a> .               |   |
|  |             | ANEROUSIS, N., "SkyCast: The Satellite Digital Broadcast Relay Service", AT&T Labs Research, unpublished manuscript, 1999, pp.1-4.  |   |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
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